

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P414498

Luminaire Tested: **LXF.LXT-PA1-20-830-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414498
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-830-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2208 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

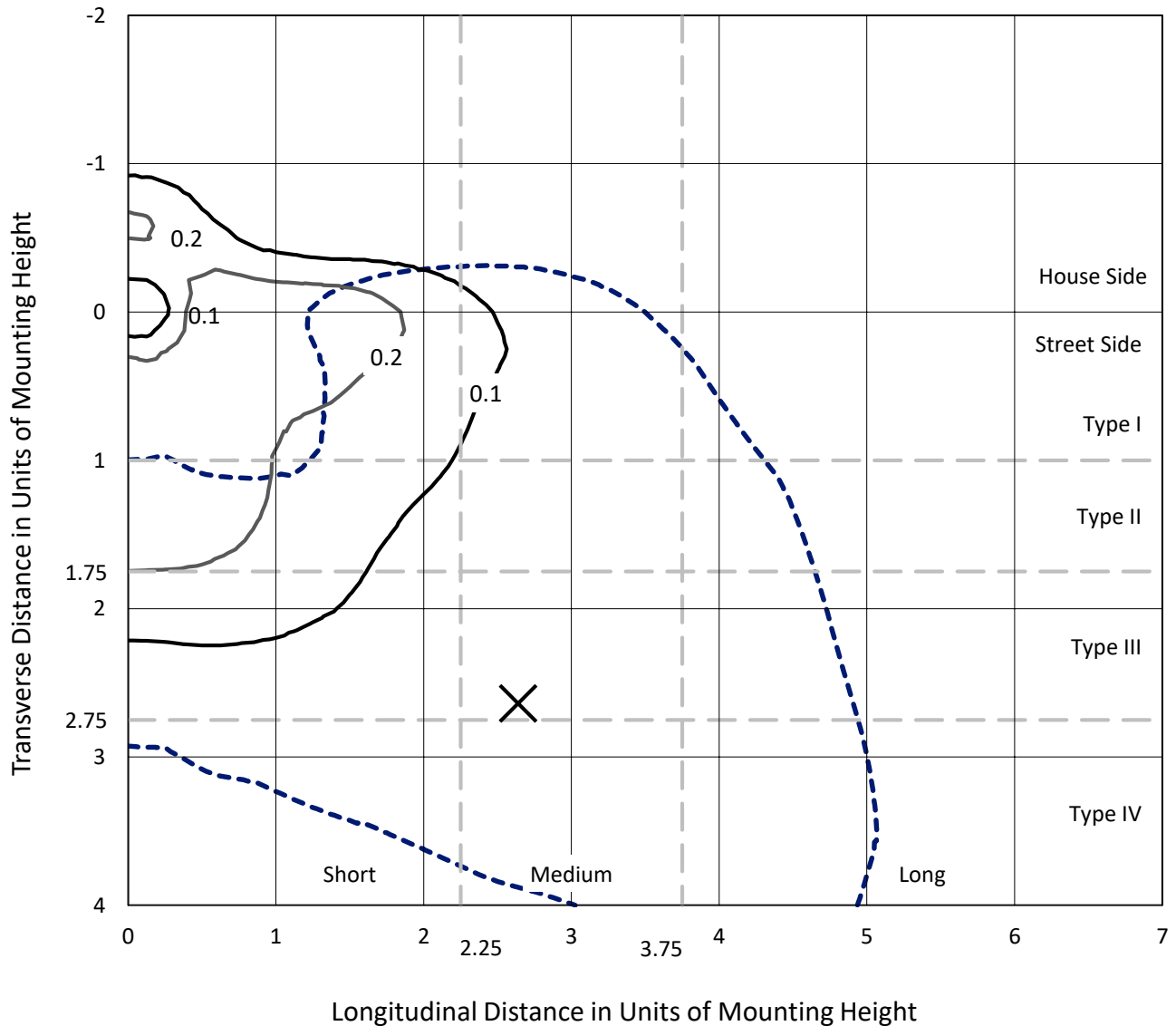


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

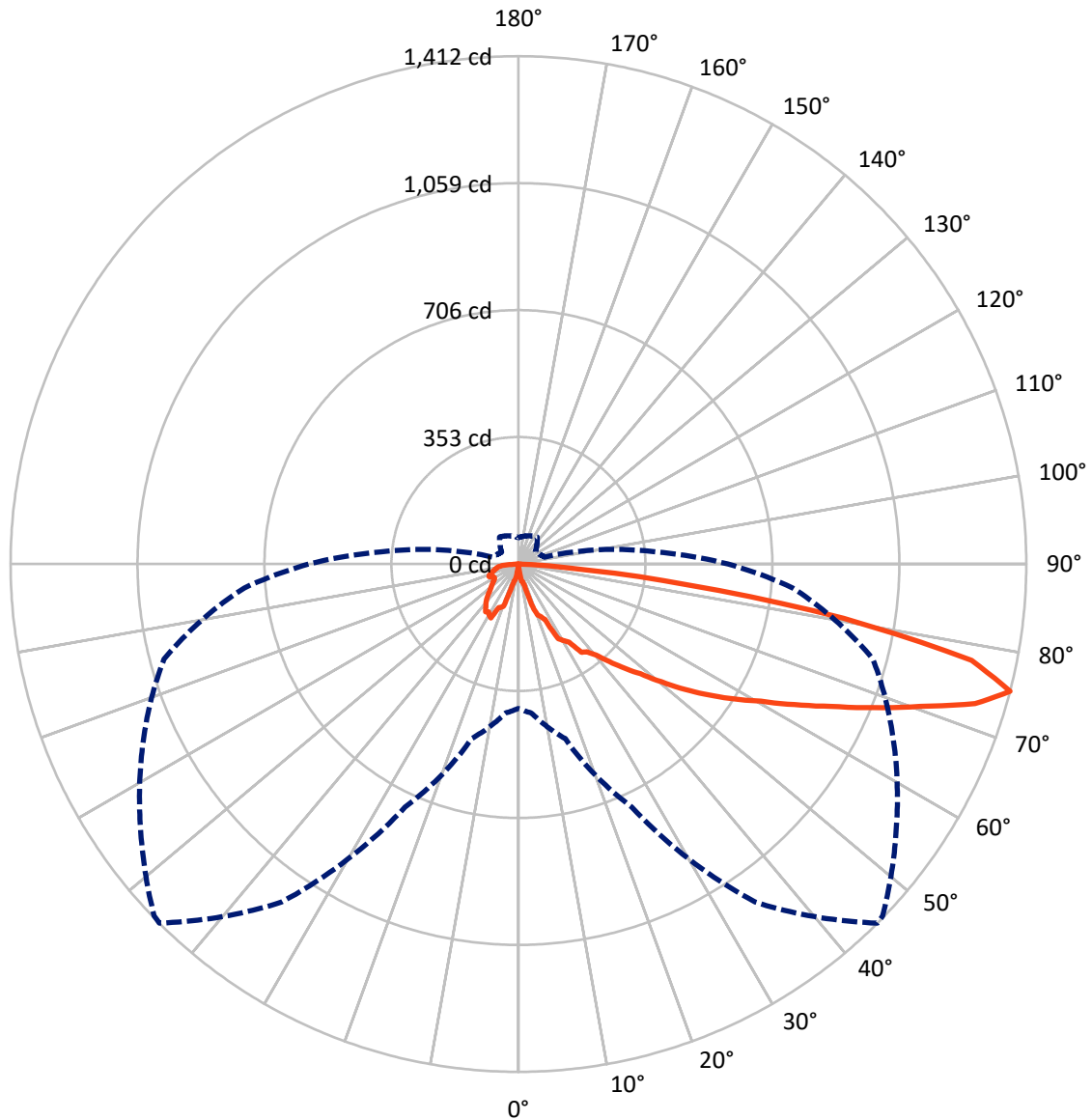


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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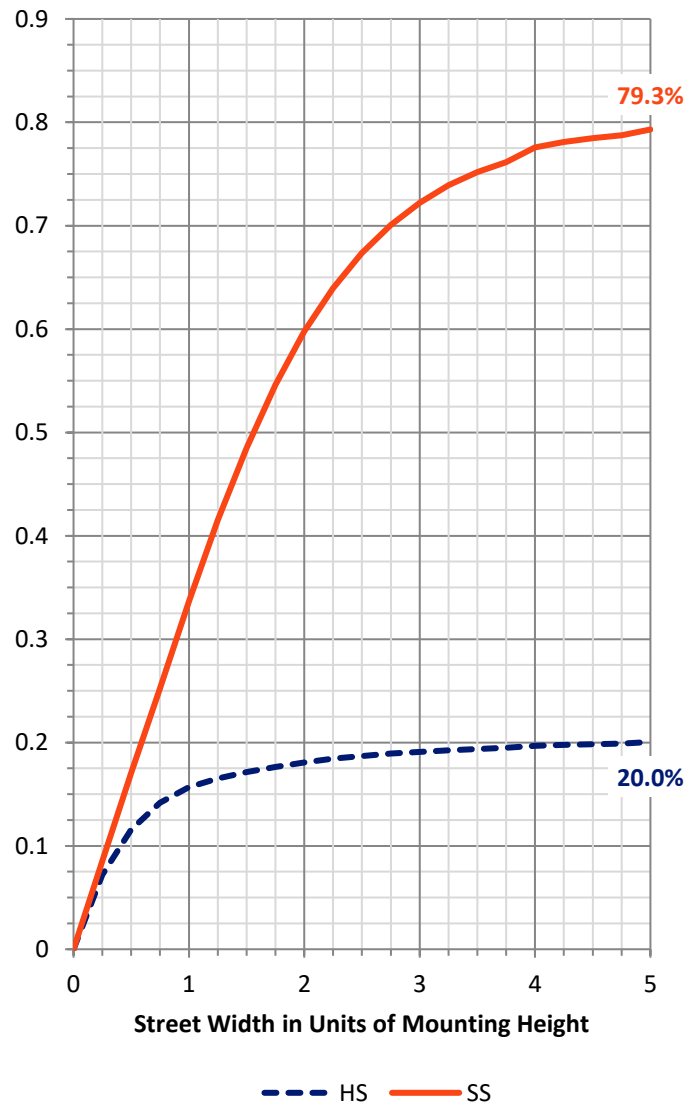
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	452.9	0.0	452.9
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	1755.1	0.0	1755.1
	% Fixture	79.5	0.0	79.5
Total	Lumens	2208.0	0.0	2208.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.1
10°-20°	22.8	1.0
20°-30°	84.8	3.8
30°-40°	174.8	7.9
40°-50°	277.2	12.6
50°-60°	438.1	19.8
60°-70°	615.6	27.9
70°-80°	512.4	23.2
80°-90°	80.8	3.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2208.0	100.0
0°-180°	2208.0	100.0



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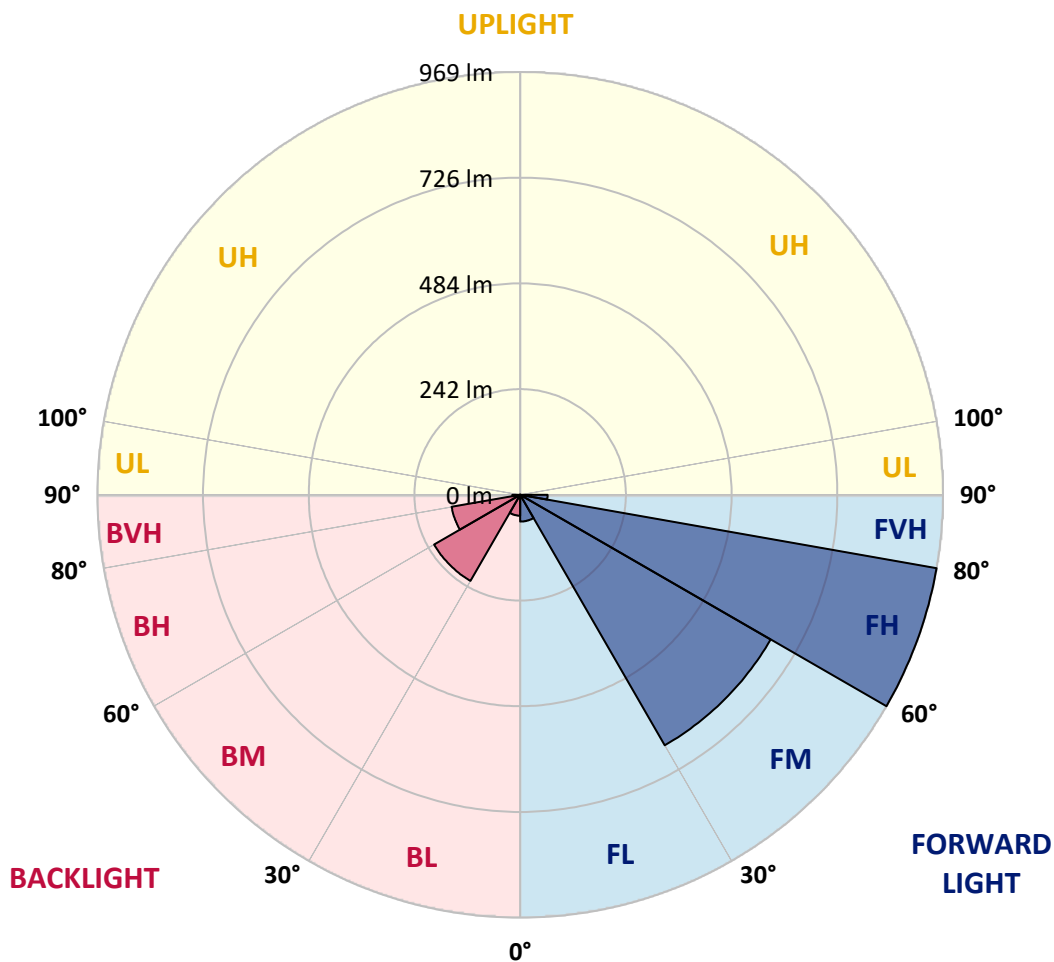
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	61.3	2.8			
FM	(30°-60°)	662.5	30.0			
FH	(60°-80°)	968.6	43.9			G1/1800
FVH	(80°-90°)	62.7	2.8			G1/100
BL	(0°-30°)	47.8	2.2	B0/110		
BM	(30°-60°)	227.6	10.3	B1/1000		
BH	(60°-80°)	159.4	7.2	B1/500		G1/500
BVH	(80°-90°)	18.1	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	1.2	1.2	1.2	1.2	1.2	1.0	1.0	0.7	1.0	1.0	1.0
5°	17.0	16.0	12.7	11.3	9.3	3.8	3.1	1.4	1.2	1.2	1.0
7.5°	50.5	50.0	49.3	47.7	45.5	28.5	24.7	8.9	1.7	1.2	1.0
10°	55.8	54.8	53.6	52.0	50.0	47.7	47.4	43.6	7.9	2.6	2.2
12.5°	109.7	107.8	90.0	65.1	53.9	51.0	51.0	49.3	35.7	12.5	29.2
15°	117.8	116.9	113.5	109.2	102.7	59.1	58.0	77.1	95.1	66.6	70.6
17.5°	132.4	130.3	120.0	114.7	109.9	119.3	118.5	110.4	104.2	73.8	79.3
20°	184.6	183.4	179.1	128.4	118.3	150.9	151.3	125.2	113.3	130.5	129.6
22.5°	188.9	188.7	185.6	177.9	187.5	158.3	158.5	166.4	165.5	173.1	157.1
25°	247.1	246.4	200.0	183.4	204.7	170.5	178.2	206.4	184.4	187.7	196.1
27.5°	253.6	253.1	250.5	239.0	211.9	234.9	234.9	213.4	234.9	245.9	247.4
30°	288.3	279.2	260.8	255.3	246.9	246.6	247.4	247.1	271.8	257.4	271.8
32.5°	339.1	337.2	330.5	276.8	274.4	258.6	266.8	285.4	283.8	327.3	346.0
35°	412.4	386.3	362.5	319.4	285.0	301.2	302.4	296.0	330.5	344.3	370.7
37.5°	514.6	507.4	473.9	359.7	317.5	309.6	310.3	331.4	351.3	366.6	396.1
40°	589.1	585.3	562.0	440.4	348.2	332.4	334.1	347.7	366.1	393.4	424.1
42.5°	660.4	660.4	646.8	509.3	414.0	371.2	370.0	372.8	386.0	414.8	465.5
45°	706.9	704.3	715.8	574.2	463.1	412.8	408.3	407.6	412.4	446.4	521.1
47.5°	753.6	746.4	757.4	639.8	527.3	455.9	456.4	447.6	454.0	506.2	597.0
50°	802.9	804.4	802.9	695.2	590.3	514.6	510.5	499.3	512.2	576.4	682.0
52.5°	873.3	868.3	854.2	765.6	670.7	579.7	573.3	557.0	587.4	659.0	788.3
55°	924.6	919.8	916.0	841.0	732.5	642.7	638.9	620.9	677.9	742.3	898.0
57.5°	980.4	974.6	985.6	944.0	829.5	708.6	703.5	692.5	770.8	837.4	1009.6
60°	1018.0	1018.2	1048.4	1018.2	910.4	774.4	769.6	777.8	855.8	924.6	1130.0
62.5°	1018.0	1025.9	1092.2	1099.4	997.1	860.4	852.0	856.6	948.3	1016.0	1228.9
65°	921.5	931.3	1086.0	1122.8	1084.1	953.3	949.2	946.4	1035.7	1088.4	1306.5
67.5°	823.0	835.3	991.6	1124.0	1155.2	1066.1	1051.2	1027.1	1111.1	1142.2	1348.2
70°	754.8	764.8	889.1	1085.5	1201.2	1184.4	1174.6	1110.9	1161.6	1176.5	1301.3
72.5°	643.9	644.9	755.5	1004.1	1232.0	1327.4	1304.4	1203.8	1190.1	1154.2	1103.5
75°	401.3	415.9	502.2	745.2	1146.8	1411.6	1407.3	1281.9	1149.4	1019.9	765.1
77.5°	149.4	158.0	210.0	382.7	820.6	1287.6	1291.4	1197.1	972.2	739.0	410.9
80°	48.6	52.2	69.4	123.3	364.5	916.4	946.4	849.1	596.3	375.5	173.1
82.5°	27.1	26.1	40.2	63.9	155.7	474.9	494.5	408.3	281.1	157.1	64.7
85°	12.5	12.9	19.2	34.7	83.1	132.4	143.0	139.6	106.6	64.7	23.7
87.5°	2.6	3.1	4.3	8.1	12.9	11.3	8.1	14.4	20.8	15.3	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	1.0	1.0	0.7	0.7	0.5	0.5	0.2	0.2	0.5	0.5	0.5
5°	1.0	1.0	0.7	0.7	0.7	0.7	1.0	1.7	1.9	2.2	1.9
7.5°	1.0	1.0	1.0	1.0	1.2	2.4	11.3	34.5	36.6	37.4	38.3
10°	2.2	1.9	1.9	2.2	7.4	36.2	43.6	46.0	47.2	47.9	47.7
12.5°	33.3	33.0	12.2	7.4	34.7	45.7	46.9	48.4	50.8	53.2	52.2
15°	70.4	70.2	64.7	67.1	67.5	49.8	50.8	83.1	88.6	92.2	93.4
17.5°	76.6	77.3	75.2	92.7	94.8	75.4	84.5	92.7	94.6	95.8	96.0
20°	142.2	127.9	109.4	103.7	101.1	124.5	94.3	95.3	123.1	131.9	132.9
22.5°	156.4	155.2	145.1	149.4	126.2	129.8	122.1	128.8	141.3	143.9	143.9
25°	201.9	199.7	165.7	155.7	160.2	133.4	154.2	140.3	144.9	149.7	150.1
27.5°	248.1	245.5	221.3	175.0	158.8	168.3	156.6	169.3	183.2	189.9	190.1
30°	269.6	266.0	230.8	197.3	165.2	164.8	164.5	187.3	186.1	190.4	191.6
32.5°	358.2	352.5	295.0	194.0	171.5	156.6	174.6	182.2	209.5	222.9	224.4
35°	379.8	372.6	296.5	214.6	161.9	161.4	161.9	187.0	201.9	211.4	213.6
37.5°	404.5	394.6	293.1	201.2	165.7	150.4	154.0	168.8	201.2	222.7	224.4
40°	435.1	420.0	292.1	187.7	154.5	142.2	141.5	161.4	175.8	188.9	190.1
42.5°	477.5	453.3	290.7	173.9	141.3	132.4	133.6	142.2	153.7	152.5	154.5
45°	533.8	494.7	288.3	161.6	127.9	120.2	119.5	125.7	131.0	123.3	121.2
47.5°	604.2	546.0	292.1	149.9	115.4	108.2	108.5	111.1	112.1	103.7	101.8
50°	684.2	603.9	296.2	137.0	105.4	99.9	98.7	99.6	98.2	90.0	89.3
52.5°	779.5	671.9	298.4	124.8	97.2	92.9	91.5	90.8	88.6	83.1	82.4
55°	889.9	753.6	302.9	114.9	90.5	86.4	85.7	84.8	84.1	80.9	80.5
57.5°	1002.9	843.6	300.3	104.9	84.1	80.5	81.9	83.6	85.5	84.3	84.1
60°	1106.6	915.5	267.7	96.0	77.8	76.9	83.1	91.0	92.4	93.6	93.4
62.5°	1184.2	951.6	212.4	88.4	73.5	77.1	92.2	103.2	101.8	98.7	97.9
65°	1211.5	941.6	163.6	82.6	71.4	83.6	101.8	107.5	99.4	93.6	92.4
67.5°	1193.3	892.0	126.7	77.8	70.2	89.1	105.1	103.4	94.1	89.8	88.1
70°	1100.1	788.8	100.6	73.8	69.0	85.7	103.4	98.7	89.8	86.0	83.3
72.5°	900.1	623.8	86.2	69.2	63.9	78.8	98.2	92.2	86.0	80.9	78.5
75°	582.1	383.6	75.0	63.9	57.2	71.4	91.5	86.0	80.7	75.7	73.3
77.5°	280.2	174.3	65.6	57.5	51.0	65.9	86.0	79.5	74.2	69.2	66.3
80°	118.1	82.4	56.0	51.0	46.5	61.8	80.0	72.6	66.6	63.0	59.9
82.5°	57.5	45.5	42.6	41.4	40.5	56.3	73.5	64.4	58.2	54.8	47.9
85°	19.4	19.6	26.3	25.6	28.5	45.0	60.1	48.9	43.6	37.8	35.4
87.5°	1.9	2.6	3.6	4.5	9.3	12.5	20.6	16.8	13.2	5.0	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)